	CENTRAL INTELLIGENCE AGENCY	REPORT	
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Ì.	Formenko, head of SAG KABEL, has his main office in Berlin-Weissensee. A branch of the headquarters responsible for production matters occupies offices in the Knorrbremsenwerk in Derlin-Lichtenberg, Neue Bahnhofstrasse.		
2.	The present German head of the Werk für Fernmeldetech Director Hueller, an SDD member and until about 1 Mar HDF. The Cultural Director is Hoeding, a Communist, retary is Saenger. The following three plants are un	ch 1950, Director and the SED Par	or of the ty Soc—
	a. The OSU (Oberspreewerk) where valves, measuring a are made. The head is Director Lorentz. The tra		
	b. The NEF (Nachrichten, Entwicklung und Forschung) building. Teleprinters and measuring instruments technique are made here. The head is Director Mu with General-Director Mueller).	for use in tele	graphic
	c. The TBN (Technisches Büro für Nachrichtenwesen) i bromsenwerk, Neue Bahnhofstrasse. Teleprinters a are made here. The head is Director Lexov.		
	The Plenning Similator has endered the manufacture by	the Osylof a li-	20.0.7
3. The Planning Ministry has ordered the manufacture by the OSW of a linear accelerator of 20 MeV. This is to be completed in 1951 and delivered to Rompe. The tube is to be 3 meters long, and electrical (not magnetic) focusing is to be employed. A 3 cm., 1 megawatt magnetron is required fithis, and work is being pushed forward on the development of the L.M.S. for this purpose. The Russians have shown enthusiasm for this project, have provided no technical advice. The design is being based on data cu from		t to Prof. c) ed for S. 1000 et, but	
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The Planning Ministry has ordered research in transmission on wave lengths of (5), 10 and 3 cms. Test transmissions are to be made between the OSN test tower, which is in the factory area, and Golm near Zossen, where there is a Post Office radio station, and a subsidiary transmitter for the Derliner Randfunk. The transmitters and eccivers are being designed and manufactured in the CC... Those for 25 cm. waves are already on test. Those for 10 cms. wall be ready in July, and for 5 cms. an October. The transmitter tube for the last is lacking, and a "Leistungs-Klystron" for 1½ watt is being developed for this purpose.

The German Directorate of the CCV has been instructed by the Russians to draw up plans for the ten-fold expansion of the capacity of the factory. A capacity of 350,000 radio tubes, 50,000 special tubes and 5,000 Kinescopes per month is planned. The Germans are skeptical about the possibility of fulfilling such a plan, partly because of the difficulty of obtaining the machines required and because of the inadequacy of floor space, but mainly because of the lack of suitable trained technicians to operate the new machines.

The Russians have ordered the plant to start work on the design and manufacture of home television receivers. Progress is likely to be show because of the complete lack of experience in the factory in this field.

Short descriptions of some of the research models of OSA tubes follow:

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έλ.,	L.M.S. 1000	(see para 3).
b ₅	05.1 2727	A metal-ceramic improvement on the L.D. 12-6 cms., 150 mm.
Ċ,	OST 2729	New, inexpensive, gas-filled transmitting tetrode, designed to replace the T.S. 41 in the rapeutic apparatus. Siemens made a similar tube during the war.
d	057 2730	Now I kw V.H.F. (1 meter) transmitting tube for use in television transmitters and police V.H.F. sets. Jork is also in progress on a 10 kw V.H.F. (1 meter) transmitting tube for the Ministry of Posts and Telegraphs.
€.	05:7 31:23	(R.S. 720). 10 lar short wave tube. The tube factory in Erfurt has been attempting to make this tube since 1946, but has been unsuccessful, since only 5 percent of the tubes have passed the tests, and these are serviceable for 30 - 40 hours only. The OSJ has now been

f. Leistungs-Klystron. 3 cm., 1.5 watt. Two chembers if possible, three

asked to manufacture them.

Bildröhren (Kinescopes) A new, so-called decimeter wave Kinescope with "Mohlrohrleitung", and a 50-mm. screen diameter using "E-waves" only, is not 40 percent complete. Research is being directed by Dr. Hachenberg. A single-turn Kinescope for the analysis of impulses of large amperages is under design.

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